



MIDDLE SCHOOL STEM PROGRAMMING













PLTW Gateway engages students in middle school STEM curriculum to build knowledge and skills in areas including computer science, engineering, and biomedical science. It empowers students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance.

STEM Career Awareness in Middle School

Through explorations of coding and robotics, flight and space, human body systems, and more, PLTW Gateway fuels students' passion for discovery. As they engage in hands-on, collaborative problem solving focused on real-world challenges, students use and stretch their imaginations in brand-new ways and connect their learning to life. All the while, students step into roles spanning the career landscape – a crucial experience during this transitional time in their lives.

PLTW Gateway can:

- Create career confidence by exposing your students to the wealth of in-demand opportunities awaiting them.
- Inspire students to work together, solve problems, and persevere in a vibrant, dynamic environment.
- Foster interaction and social emotional learning for all students, especially underrepresented and female students.

PLTW Gateway Units	CTE Career Cluster	
Design and Modeling		STEM
Automation and Robotics		STEM
App Creators		Information Technology
Computer Science for Innovators and Makers		Information Technology
Energy and the Environment		STEM
Flight and Space		STEM
Science and Technology		STEM
Magic of Electrons		STEM
Green Architecture		STEM
Medical Detectives		Health Science